Pursuant to 37 CFR 1.84(a)

FIG. 1

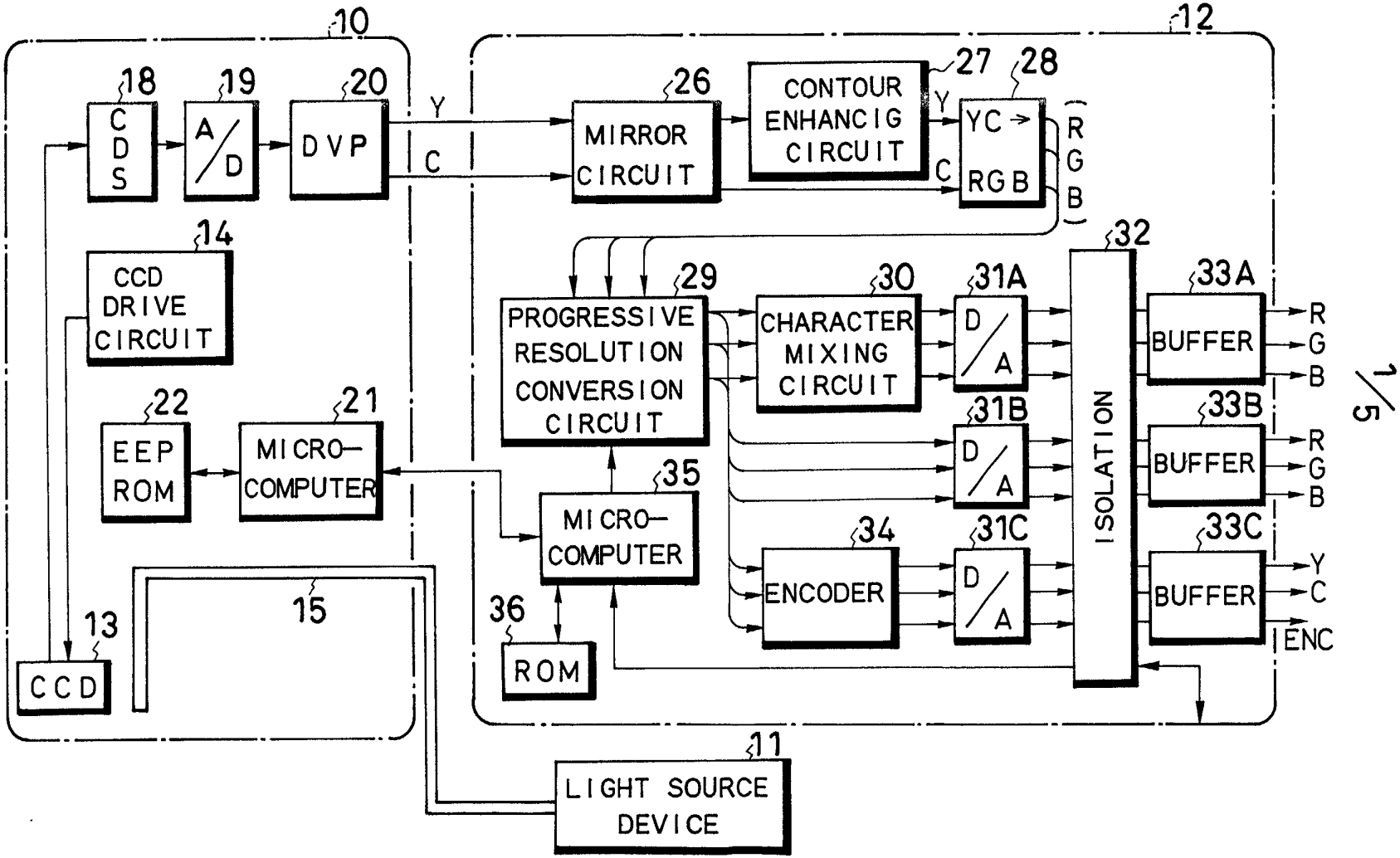


FIG. 2

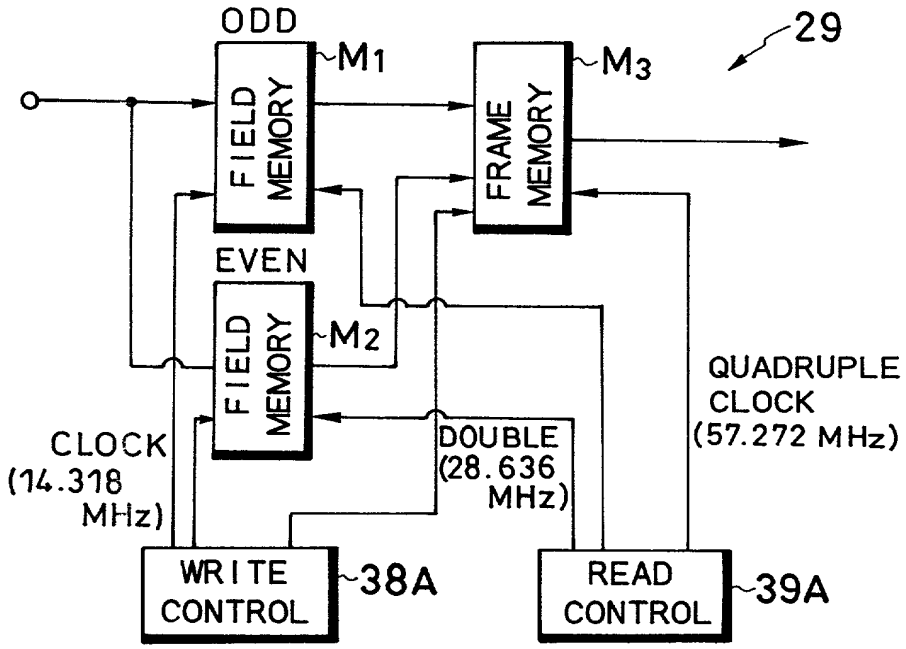

ODD
M1
FIELD MEMORY
M3
FRAME MEMORY
29
EVEN
FIELD MEMORY
M2
QUADRUPLE CLOCK (57.272 MHz)
CLOCK (14.318 MHz)
DOUBLE (28.636 MHz)
WRITE CONTROL
38A
READ CONTROL
39A

FIG. 3

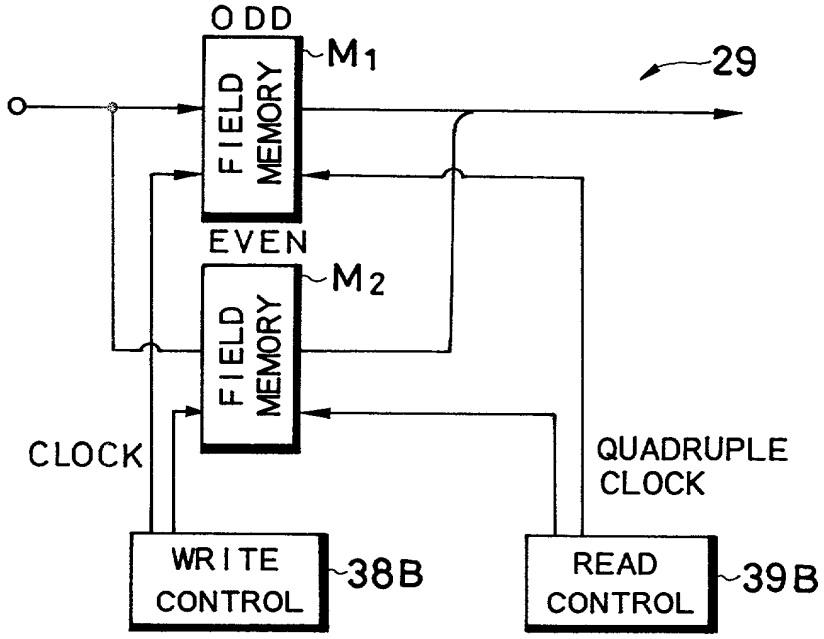

ODD
M1
FIELD MEMORY
29
EVEN
M2
FIELD MEMORY
CLOCK
QUADRUPLE CLOCK
WRITE CONTROL
38B
READ CONTROL
39B

FIG.4

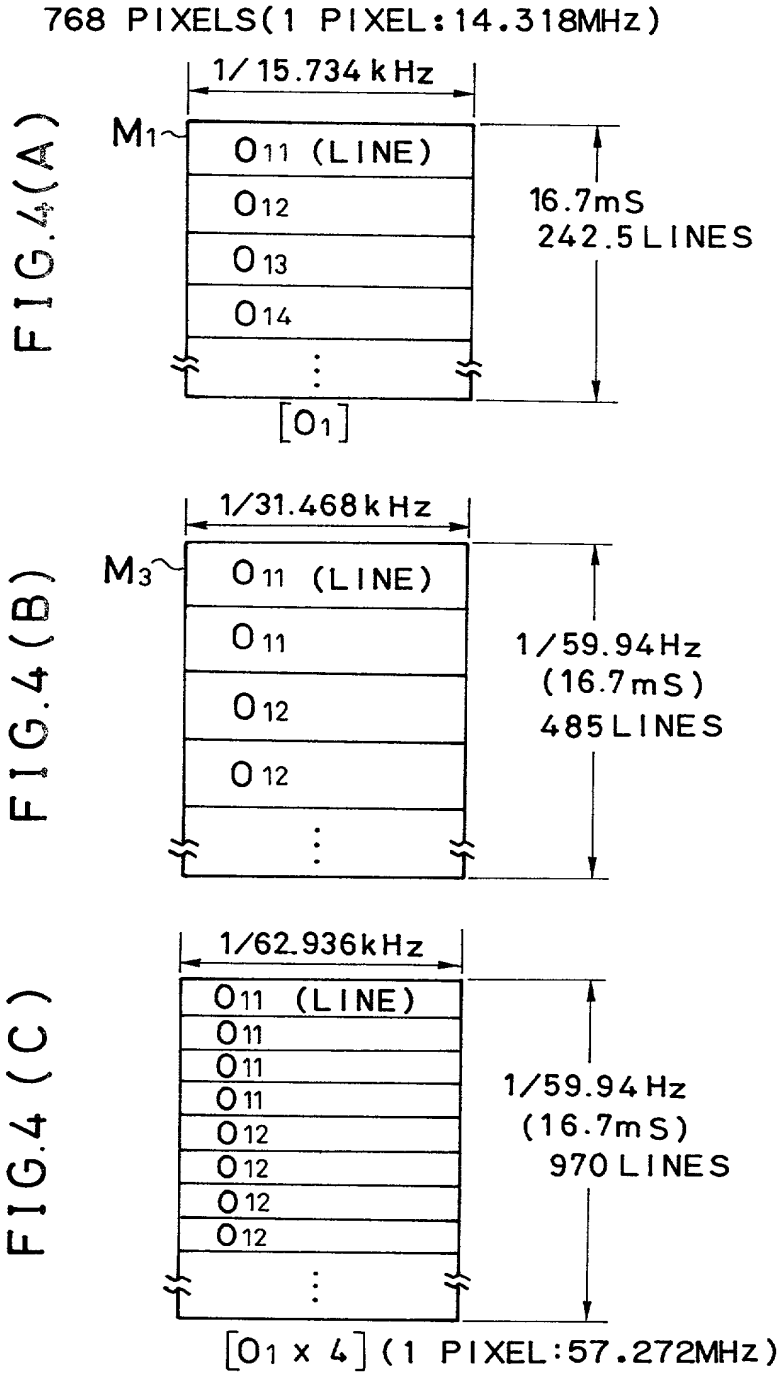

768 PIXELS(1 PIXEL:14.318MHz)
FIG.4(A)
1/15.734kHz
M1
O11 (LINE)
O12
O13
O14
16.7mS
242.5LINES
[O1]
FIG.4(B)
1/31.468kHz
M3
O11 (LINE)
O11
O12
O12
1/59.94Hz
(16.7mS)
485LINES
FIG.4(C)
1/62.936kHz
O11 (LINE)
O11
O11
O11
O12
O12
O12
O12
1/59.94Hz
(16.7mS)
970LINES
[O1 x 4] (1 PIXEL:57.272MHz)

FIG. 5

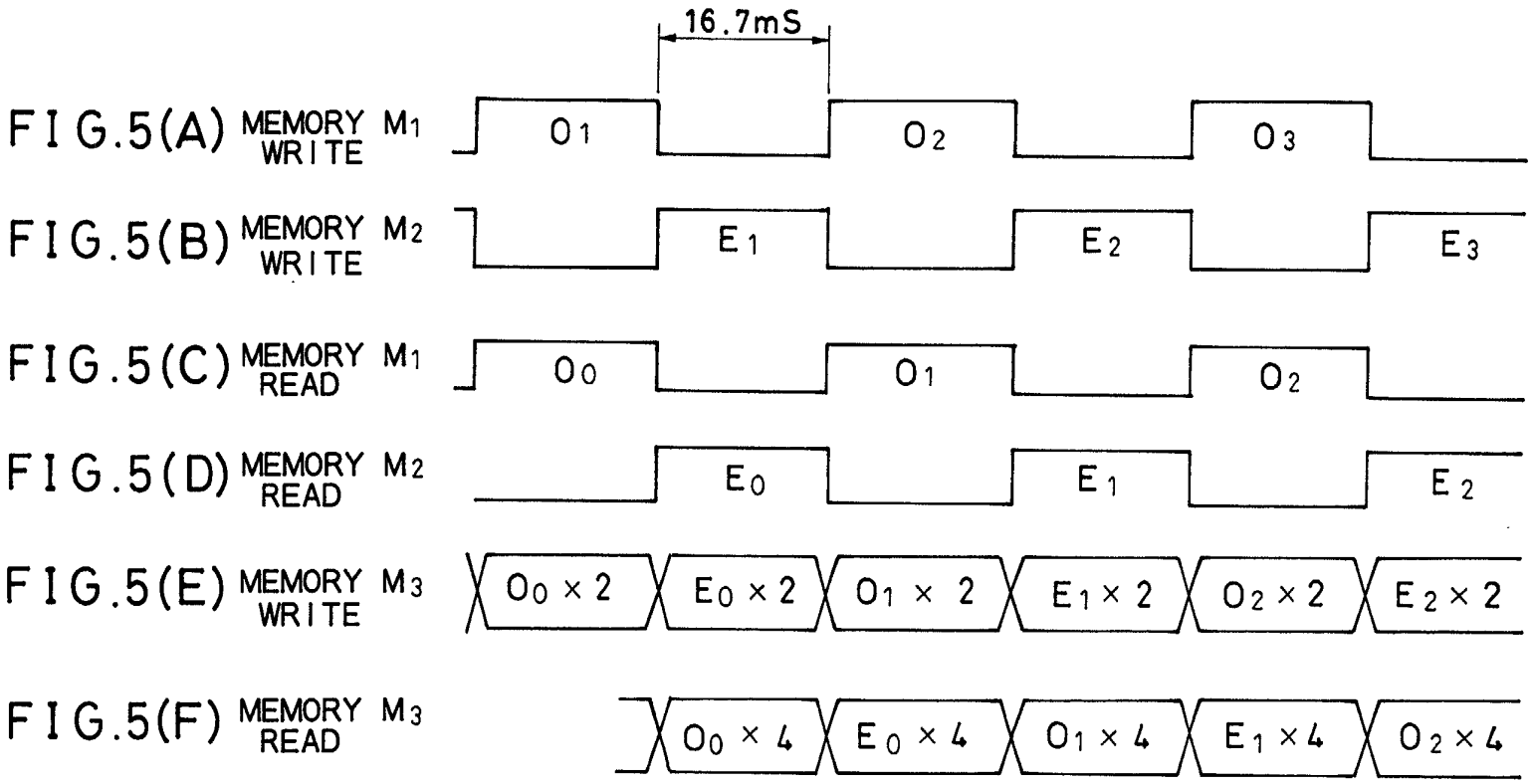

16.7mS
FIG.5(A) MEMORY WRITE M1
O1
O2
O3
FIG.5(B) MEMORY WRITE M2
E1
E2
E3
FIG.5(C) MEMORY READ M1
O0
O1
O2
FIG.5(D) MEMORY READ M2
E0
E1
E2
FIG.5(E) MEMORY WRITE M3
O0 × 2
E0 × 2
O1 × 2
E1 × 2
O2 × 2
E2 × 2
FIG.5(F) MEMORY READ M3
O0 × 4
E0 × 4
O1 × 4
E1 × 4
O2 × 4

FIG. 6

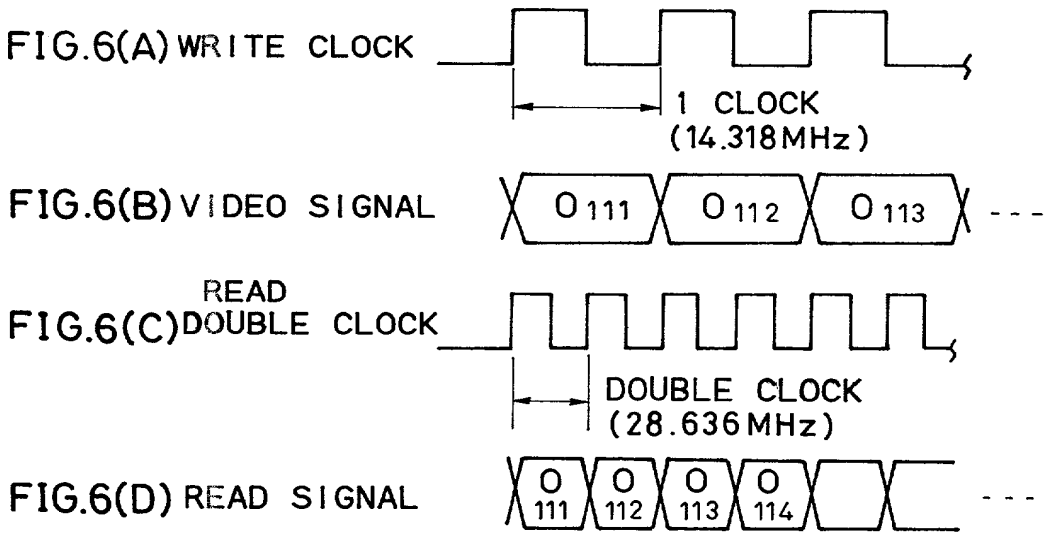
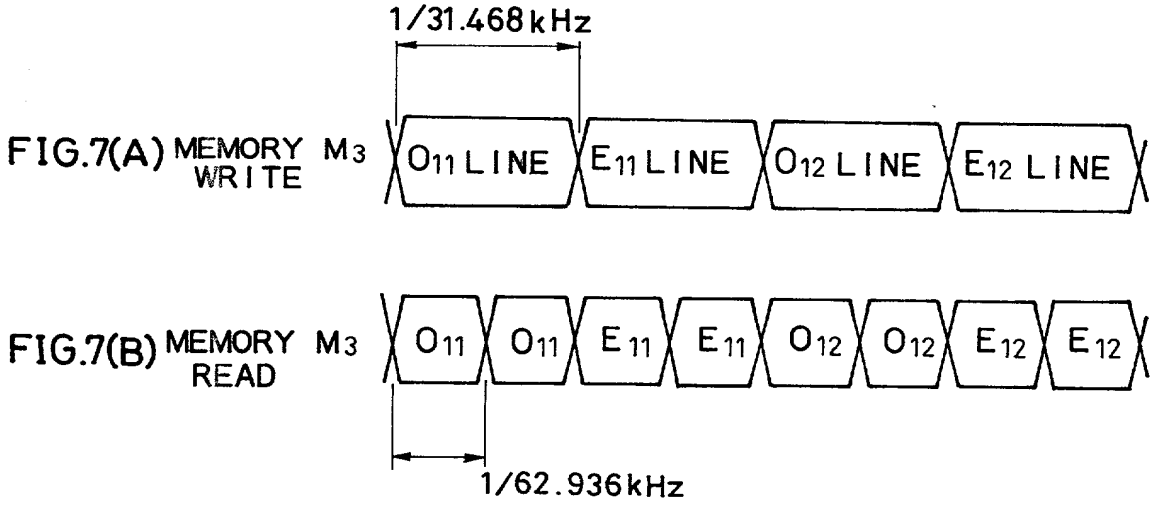


FIG.6(A) WRITE CLOCK
1 CLOCK
(14.318MHz)
FIG.6(B) VIDEO SIGNAL
O 111
O 112
O 113
FIG.6(C) READ DOUBLE CLOCK
DOUBLE CLOCK
(28.636MHz)
FIG.6(D) READ SIGNAL
O 111
O 112
O 113
O 114

FIG. 7


1/31.468kHz
FIG.7(A) MEMORY WRITE M3
O11 LINE
E11 LINE
O12 LINE
E12 LINE
FIG.7(B) MEMORY READ M3
O11
O11
E11
E11
O12
O12
E12
E12
1/62.936kHz